

Spiral-wound gaskets

Rev.Nr.: 01/121004

Description:

For applications with high temperature variations (thermal cycling), and/or pressure variations, and/or flange rotation problems etc., gaskets with adequate residual stress (stress retention), flexibility and recovery are needed. TEADIT spiral-wound gaskets have been designed to meet these demanding requirements.

Spiral-wound gaskets are made of a preformed metallic strip and a soft filler material (PTFE or graphite), wound together under pressure, and optionally with an inner and/or outer guide ring. The metal strip holds the filler, resulting in excellent mechanical resistance, resilience and recovery.



Material properties:

Filler material:

	max. temperature °C (°F)
PTFE	260 (500 °F)
Grafit	450 (842 °F)*
*up to 650 °C (1,200 °F) with steam and under inert conditions	

Materials for metal strip:

1.4541, 1.4571, 1.4404, 304, 316L, 321

Materials for inner ring:

1.4541, 1.4571, 1.4404, 304, 316L, 321

Materials for outer ring:

carbon steel with corrosion protection (cathodic protection)

Additional materials on request.

Adaptable production:

Our production offers extensive possibilities:

- + special sizes
- + production according to customer's specifications
- + production of single gaskets
- + gaskets made of special materials, etc.

TEADIT INTERNATIONAL PRODUKTIONS GMBH

Rosenheimer Str. 10 Tel.: +43 - 5372 - 64020 - 0
A-6330 Kulstern Fax: +43 - 5372 - 64020 - 20
email: mail@teaditeurope.com

TEADIT ITALIA S.p.A.

Via Vanzago 13 Tel.: +39 - 035 - 924911
I-25030 Paratico Fax: +39 - 035 - 913060
email: sales@teadit.it

Since all properties, specifications and application parameters shown throughout this product information are approximate and may be mutually influenced, your specific application should not be undertaken without independent study and evaluation for suitability. All technical data and advice given is based on experiences TEADIT has made so far. Failure to select proper sealing products can result in damage and/or personal injury. Properties, specifications and application parameters are subject to change without notice. TEADIT does not undertake liability of any kind whatsoever.

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